

Portable CD Player

Operating Instructions

About area code

The area code of the player you purchased is shown on upper left of the bar code label on the package. For accessories supplied with your player, check the area code of your model and refer to "Supplied accessories" toward the end of this manual.



"WALKMAN" is a trademark of Sony Corporation.

D-EQ550

Sony Corporation ©2001 Printed in China

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

To prevent fire, do not cover the ventilation of the apparatus with newspapers, table-cloths, curtains, etc. And don't place lighted candles on the apparatus.

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.

CAUTION
The use of optical instruments with this product will increase eye hazard.

Owner's Record
The model and the serial numbers are located at the rear. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.
Model No. D-EQ550
Serial No. _____

Product registration

For the customers in the USA

Please register this product on line at www.sony.com/productregistration.
<http://www.sony.com/productregistration>

Proper registration will enable us to send you periodic mailings about new products, services, and other important announcements. Registering your product will also allow us to contact you in the unlikely event that the product needs adjustment or modification. Thank you.

Certain countries may regulate disposal of the battery used to power this product. Please consult with your local authority.

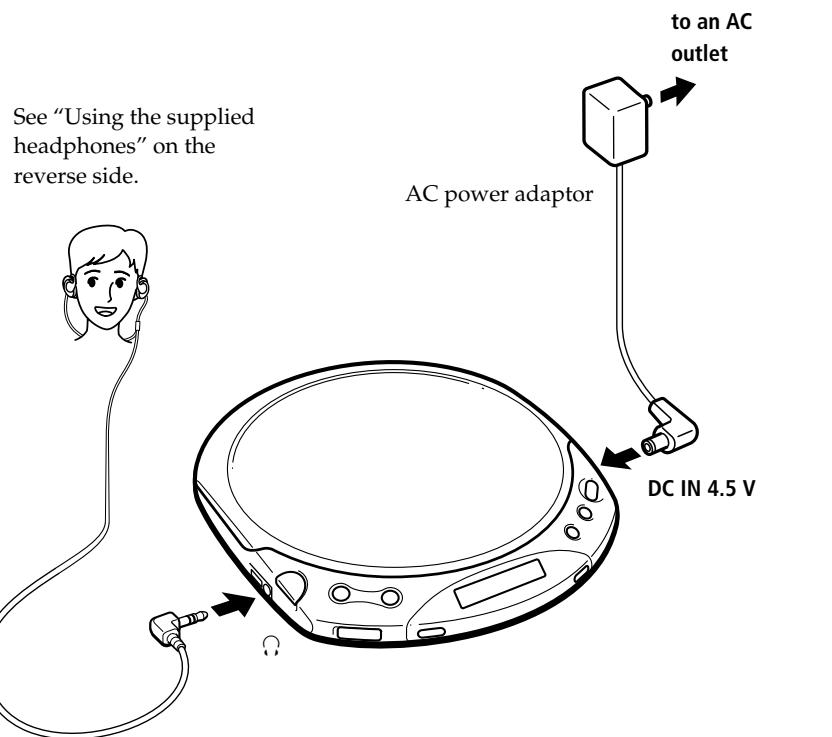
CAUTION

- INVISIBLE LASER RADIATION WHEN OPEN
- DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS

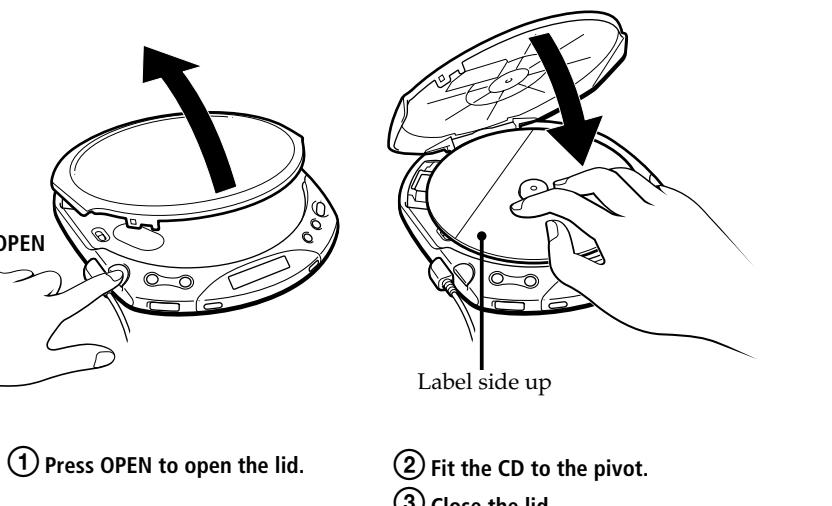
Playing a CD right away!

If you want to play a CD right now, choose to use your CD player on house current. You can also use it on dry batteries (see "Power Sources" on the reverse side).

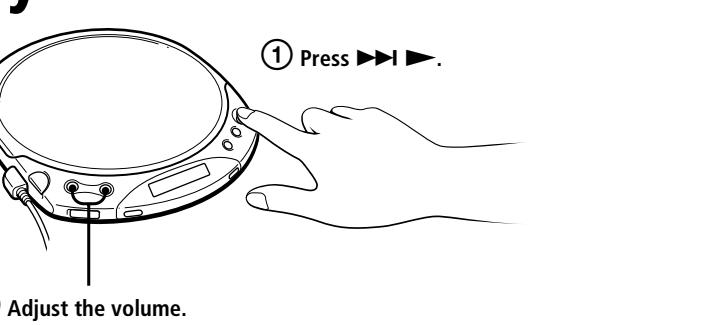
1 Connect



2 Place a CD



3 Play



To stop play, press ■.

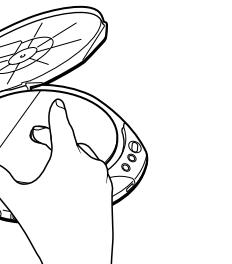
To	Press
Play (from the point you stopped)	▶▶▶
Play (from the first track)	▶▶▶ for 2 seconds or more
Stop	■
Find the beginning of the current track (AMS*)	◀◀ once
Find the beginning of previous tracks (AMS)	◀◀ repeatedly*2
Find the beginning of the next track (AMS)	▶▶▶ once*2
Find the beginning of succeeding tracks (AMS)	▶▶▶ repeatedly*2
Go forward quickly	Hold down ▶▶▶
Go backwards quickly	Hold down ▶◀

*1 AMS = Automatic Music Sensor

*2 After you have played the last track, you can return to the beginning of the first track by pressing ▶▶▶. Similarly, if you are at the first track, you can locate the last track by pressing ▶◀.

To remove the CD

Remove the CD while pressing the pivot.



About the display

- When you press ▶▶▶, the total number of tracks in the CD and the total playing time appear.
- During play, the track number and the elapsed playing time of the current track appear.

If the volume does not increase

If "AVLS" flashes in the display, hold down SOUND until "AVLS" disappears from the display. For details, see "To protect your hearing (AVLS)."

About CD-Rs/CD-RWs

This CD player can play CD-Rs/CD-RWs recorded in the CD-DA format*, but playback capability may vary depending on the quality of the disc and the condition of the recording device.

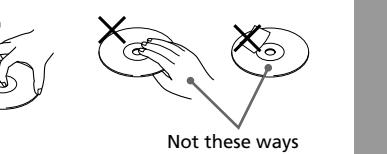
* CD-DA is the abbreviation for Compact Disc Digital Audio. It is a recording standard used for the Audio CDs.

When closing the lid of the CD player with the power supply attached

While the "disc" flashes in the display, the CD starts rotating and will stop after the CD player reads the disc information. This helps to shorten the waiting time before playback starts.

Notes on handling CDs

- To keep the CD clean, handle it by its edge. Do not touch the surface.
- Do not stick paper or tape onto the CD.
- Do not expose the CD to direct sunlight or heat sources such as hot air ducts. Do not leave the CD in a car parked under direct sunlight.

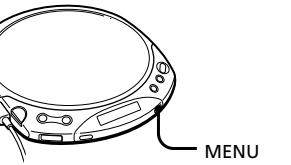


Not these ways

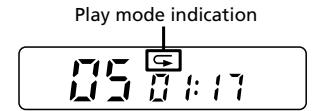
►Other Operations

Selecting play mode

You can enjoy the following five play modes: "Normal play", "Repeat play — all the tracks", "Single track play", "Repeat play — a single track" and "Repeat shuffle play".



Press MENU during play. Each time you press the button, the play mode indication in the display changes as follows:



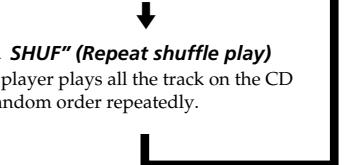
No indication (Normal play)
The player plays all the tracks on the CD once.

“◀” (Repeat play — all the tracks)
The player plays all the tracks on the CD repeatedly.

“1” (Single track play)
The player plays a single track you've selected once.

“◀ 1” (Repeat play — a single track)
The player plays a single track you've selected repeatedly.

“SHUF” (Repeat shuffle play)
The player plays all the tracks on the CD in random order repeatedly.



Using other functions

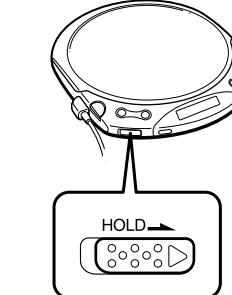
To maximize the skip protection performance (ESP MAX)

The typical ESP (Electronic Shock Protection) function minimizes skipping by using a buffer memory that stores music data and plays it back in the event of a shock. The ESP MAX system is an extremely sophisticated technology. Due to the light weight and improved anti-shock characteristics of the optical block, this system recovers from the skipping much quicker than conventional technology such as ESP or ESP².

* Although ESP MAX provides excellent protection, skipping may occasionally occur.

To lock the buttons

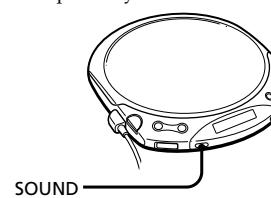
You can lock your CD player against any accidental operations.



Slide HOLD in the direction of the arrow. When you press any button, "Hold" appears in the display and you cannot operate the CD player.

To unlock, slide HOLD in the opposite direction of the arrow.

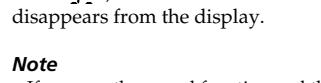
To protect your hearing (AVLS)
The AVLS (Automatic Volume Limiter System) function keeps down the maximum volume to protect your ears.



Hold down SOUND until "AVLS" appears in the display.



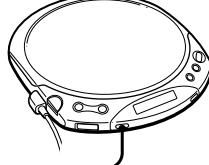
If you turn up the volume to "3-", you cannot turn up the volume any more.



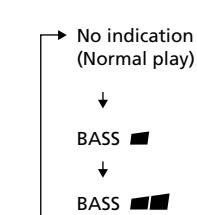
If you want to turn up the volume to more than "3-", hold down SOUND until "AVLS" disappears from the display.

To enjoy more powerful bass sound (Digital MEGA BASS)

You can emphasize the bass-boosted sound.



Press SOUND to select "BASS ■" or "BASS ■■".

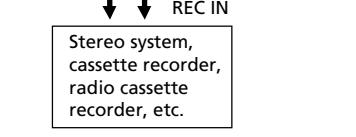


The selected sound mode is displayed.

"BASS ■■" enhances the bass sound more than "BASS ■".

Note

- If the sound is distorted when using the SOUND function, turn down the volume.



Continue to the reverse side →

To turn off the operation beep sound

You can turn off the beep sound that is heard from your headphones/earphones when you operate your CD player.

- 1 Remove the power source (AC power adaptor or dry batteries) from the CD player.
- 2 Connect the power source while pressing **■**.

To turn on the beep sound

Remove the power source and then connect the power source without pressing **■**.

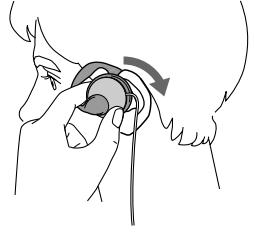
Using the supplied headphones

Thanks to their secure fit over the ears, the supplied headphones minimize sound leakage and maintain high audio quality.

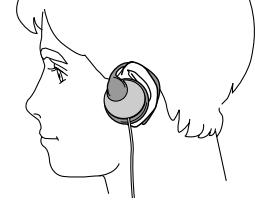
Wearing the headphones

The following procedures are for wearing on the left ear.

- 1 Hook the end of the hanger over the top of your ear.



- 2 Turn the hanger along your ear until the headphone is secure.



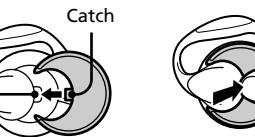
To remove the headphones caps

Place your thumb on the spindle of the hanger and your index finger on the lip of the cap, then pull the cap toward you.



To attach the headphones caps

Align the catch with the hole, and then press the cap softly until it clicks.



Notes on handling the supplied headphones

- Avoid rough handling or mechanical shock. Be particularly careful of the headphone part.
- Do not put force or weight on the unit for a long time as that may damage or deform the unit.
- Do not leave the unit in a location subject to moisture, dust, smoke, steam or direct sunlight.
- Clean the plug with a dry soft cloth. A dirty plug may cause the sound quality to deteriorate.
- Clean the headphone part with a dry soft cloth.
- The earpads may deteriorate after long-term storage or use. Replace them with EP-Q1 earpads (not supplied).

Replacing the lid cover

You can change the look of your CD player by replacing the lid cover with the other supplied one.

To remove the lid cover

While pushing the RELEASE control in the direction of the arrow, turn the lid cover counterclockwise.



Power Sources

Using the dry batteries

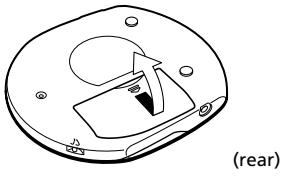
Use only the following dry battery type for your CD player:

- LR6 (size AA) alkaline batteries

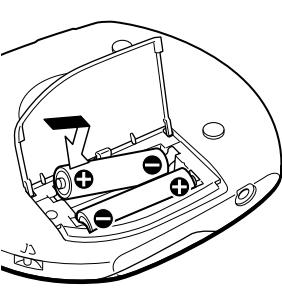
Note

Be sure to remove the AC power adaptor when using the dry batteries.

- 1 Open the battery compartment lid.

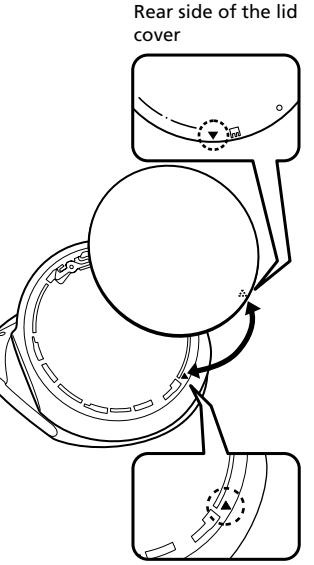


- 2 Insert two LR6 (size AA) alkaline batteries by matching the \oplus to the diagram in the battery compartment.



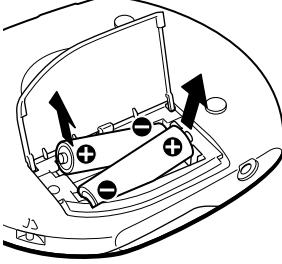
To attach the lid cover

1 Align the \blacktriangle mark on the rear side of the lid cover with the \blacktriangle mark on the lid.



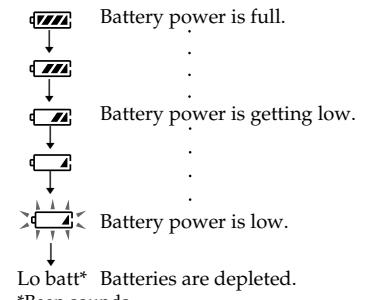
To remove the batteries

Remove the batteries as illustrated below.



When to replace the batteries

You can check the remaining power of the batteries in the display.



When the batteries are depleted, replace both batteries with new ones.

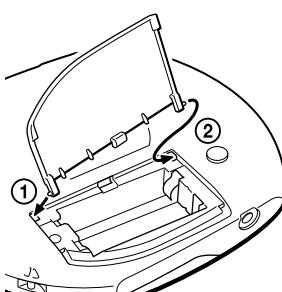
When the batteries are depleted, replace both batteries with new ones.

Notes

- The indicator sections of roughly shows the remaining battery power. One section does not always indicate one-fourth of the battery power.
- Depending on operating conditions, the indicator sections of may increase or decrease.

To attach the battery compartment lid

If the battery compartment lid is detached by an accidental drop, excessive force, etc., attach it as illustrated below.



Battery life (approx. hours)(JEITA*)

Battery life varies depending on how the player is used.

	ESP OFF	ESP ON
Two Sony alkaline batteries LR6(SG) (produced in Japan)	23	33

* Measured value by the standard of JEITA (Japan Electronics and Information Technology Industries Association). (When the CD player is used on a flat and stable place.)

Additional Information

Precautions

On safety

- Should any solid objects or liquid fall into the unit, unplug it and have it checked by qualified personnel before operating it any further.
- Do not put any foreign objects in the DC IN 4.5 V (external power input) jack.

On power sources

- When you are not using the CD player for a long time, disconnect all power sources from the player.

On the AC power adaptor

- Use only the supplied AC power adaptor. If your player is not supplied with it, use AC-E45HG AC power adaptor. Do not use any other AC power adaptor.

Polarity of the plug



- To unplug the AC power adaptor from the wall outlet, grasp the adaptor itself, do not pull its cord.

On dry batteries

- Do not throw the batteries into fire.
- Do not carry the batteries with coins or other metallic objects. It can generate heat if the positive and negative terminals of the battery are accidentally contacted by a metallic object.
- Do not mix new batteries with old ones.
- Do not use different types of batteries together.
- When the batteries are not to be used for a long time, remove them.
- If battery leakage occurs, wipe off any deposit in the battery compartment, and install new batteries. In case the deposit adheres to you, wash it off thoroughly.

On the CD player

- Keep the lens of the CD player clean and do not touch it. If you do so, the lens may be damaged and the CD player will not operate properly.
- Do not put any heavy object on top of the CD player. The unit and the CD may be damaged.
- Do not leave the CD player in a location near heat sources, or in a place subject to direct sunlight, excessive dust or sand, moisture, rain, mechanical shock, unlevelled surface, or in a car with its windows closed.
- If the CD player causes interference to radio or television reception, turn off the CD player or move it away from the radio or television.
- Discs with non-standard shapes (e.g. heart, square, star) cannot be played on this CD player. Attempting to do so may damage the CD player. Do not use such discs.

On headphones/earphones

Road safety

Do not use headphones/earphones while driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in some areas. It can also be potentially dangerous to play your headphones at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous situations.

Preventing hearing damage

Avoid using headphones/earphones at high volume. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce volume or discontinue use.

Consideration for others

Keep the volume at a moderate level. This will allow you to hear outside sounds and to be considerate to the people around you.

Maintenance

To clean the casing

Use a soft cloth slightly moistened in water or a mild detergent solution. Do not use alcohol, benzine or thinner.

Troubleshooting

Should any problem persist after you have made these checks, consult your nearest Sony dealer.

The CD does not play or "no di SC" appears in the display though a CD is placed in the CD player.

- The buttons are locked. Slide HOLD back.

- The CD is dirty or defective.

- Insert the CD with the label side up.

- Moisture condensation has occurred. Leave the CD player aside for several hours until the moisture evaporates.

- Close the lid of the CD player and the battery compartment firmly.

- Make sure the batteries are inserted correctly.

- Connect the AC power adaptor to a wall outlet securely.

- The CD-R/CD-RW was not finalized. Finalize the CD-R/CD-RW with the recording device.

- There is a problem with the quality of the CD-R/CD-RW, recording device, or application software.

"00" appears in the display for a moment, and disappears. The CD does not play.

- Dry batteries are used up. Replace them with new LR6 (size AA) alkaline batteries.

No sound, or noise is heard.

- Connect the plugs firmly.

- Plugs are dirty. Clean the plugs with a dry soft cloth periodically.

"Hd dc 1 n" appears in the display.

- Use only the supplied AC power adaptor or AC power adaptor AC-E45HG (not supplied).

- Remove all power sources, then insert the batteries or connect the AC power adaptor again.

"Hd d" appears in the display when you press a button.

- The buttons are locked. Slide HOLD back.

The indication appears in the display when you press a button.

- Dry batteries are used up. Replace them with new LR6 (size AA) alkaline batteries.

The battery life is short.

- Manganese batteries are used. Use alkaline batteries.

- Replace the batteries with new ones.

The rechargeable batteries cannot be charged in the battery compartment of this CD player.

- This CD player does not have the function to charge the rechargeable batteries.

The volume is limited to a certain level even if you attempt to turn it up.

- AVLS function keeps down the volume. Hold down SOUND until "AVLS" disappears from the display.

Playback starts from the point you stopped. (resume function)

- The resume function is working. To start playing from the first track, press for 2 seconds or more, or open the lid of the CD player. Or remove all power sources, then insert the batteries or connect the AC power adaptor again.

When closing the lid of the CD player, the CD starts to rotate.

- The CD player is reading the information on the CD. It is not malfunctioning.

Specifications

System

Compact disc digital audio system

Laser diode properties

Material: GaAlAs

Wavelength: $\lambda = 780$ nm

Emission duration: Continuous

Laser output: Less than 44.6 μ W (This output is the value measured at a distance of 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)

Error correction

Sony Super Strategy Cross Interleave Reed Solomon Code

D-A conversion

1-bit quartz time-axis control

Frequency response

20 - 20000 Hz $^{+1/-3}$ dB (measured by JEITA CP-307)

Output (at 4.5 V input level)

Headphones (stereo minijack)

Approx. 10 mW + approx. 10 mW at 16 Ω

Power requirements

For the area code of the model you purchased, check the upper left side of the bar code on the package.

- Two LR6 (size AA) batteries: 3 V DC

- AC power adaptor (DC IN 4.5 V jack):

U/2/C2/E2/MX2/TW2/BR3 model:

120 V, 60 Hz

CED/CEX/CET/CEW/CE7/EE/EE1/

E13/G5/G6/G7/G8/BR1 model:

220 - 230 V, 50/60 Hz

CEK/3/CE7 model: 230 - 240 V, 50 Hz

AU2 model: 240 V, 50 Hz

JE.W/E33/EA3/KR4 model: 100 - 240 V, 50/60 Hz

HK2 model: 220 V, 50/60 Hz

ARI/CNA model: 220 V, 5